

32

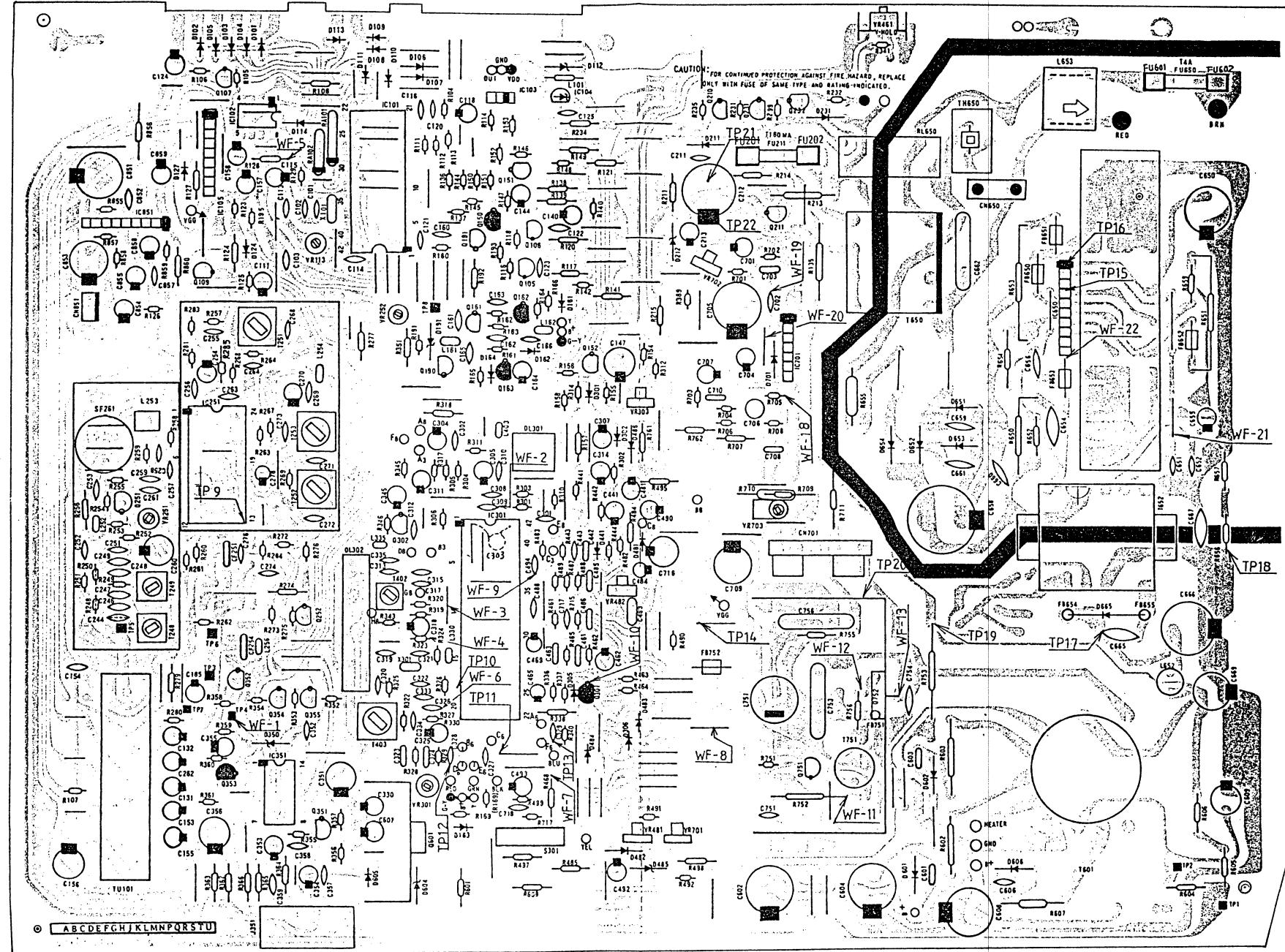
AudioSonic

Electronics International
(Deutschland) GmbH Tel.-Sa.-Ruf (0 22 34) 5 80 51
Bachemer Landstr. 47a Telefax (0 22 34) 2 26 40
5000 Köln 40 Telex 8 885 120 elded

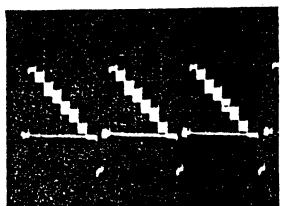
Service Manual

K T 8287

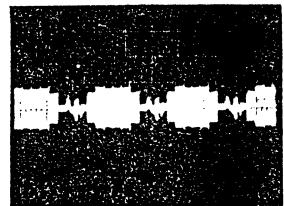
MAIN P.C.BOARD



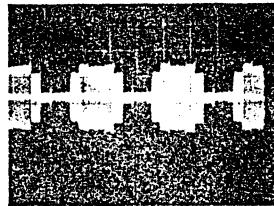
CHASSIS WAVEFORMS



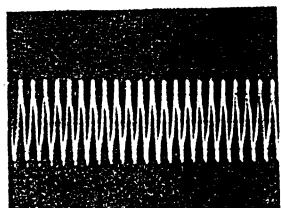
WF-1 2.0Vp-p (H)



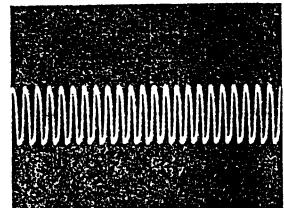
WF-2 0.15Vp-p (H)



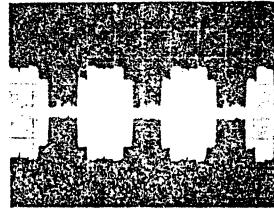
WF-3 0.25Vp-p (H)



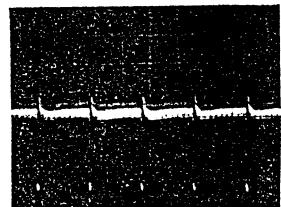
WF-4 1.5Vp-p (H)



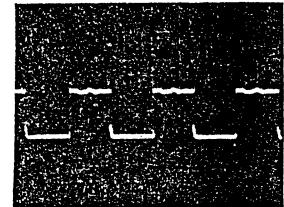
WF-5 4.5Vp-p (H)



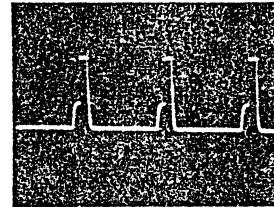
WF-6 0.18Vp-p (H)



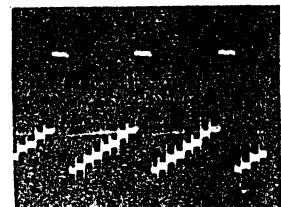
WF-7 1.5Vp-p (V)



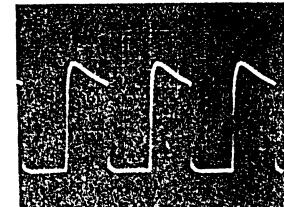
WF-8 0.8Vp-p (H)



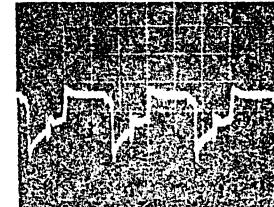
WF-9 5.2Vp-p (H)



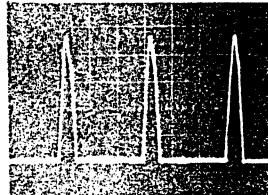
WF-10 4.5Vp-p (H)



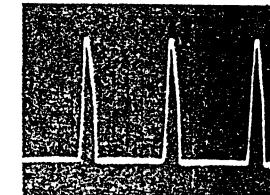
WF-11 190Vp-p (H)



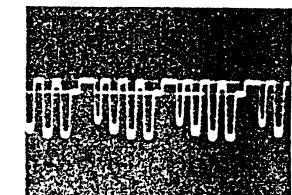
WF-12 4Vp-p (H)



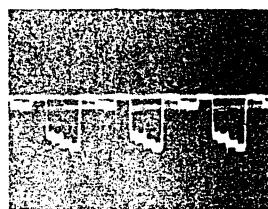
WF-13 1000Vp-p (H)



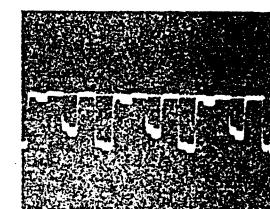
WF-14 22.3Vp-p (H)



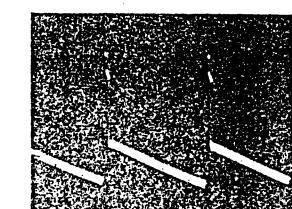
WF-15 110Vp-p (H)



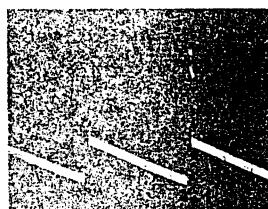
WF-16 100Vp-p (H)



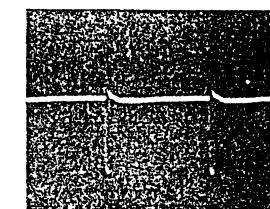
WF-17 110Vp-p (H)



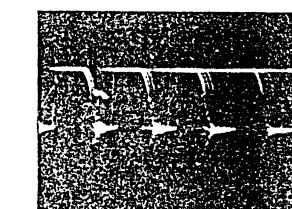
WF-18 50Vp-p (V)



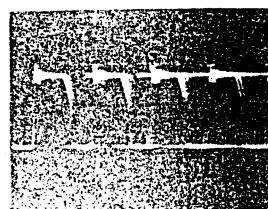
WF-19 50Vp-p (V)



WF-20 1.4Vp-p (V)



WF-21 120Vp-p (H)

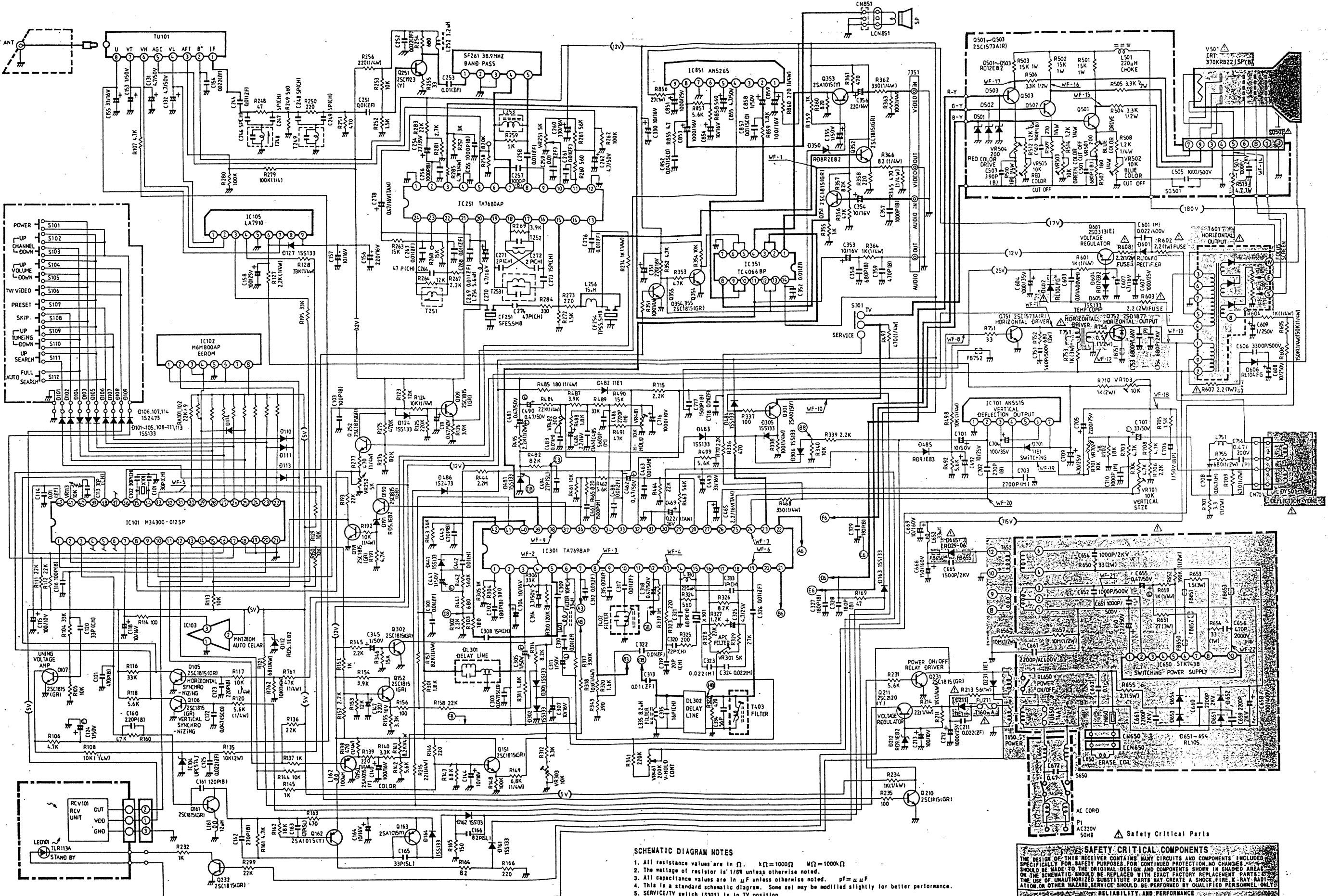


WF-22 560Vp-p (H)

NOTES :
 WAVEFORMS SHOWN WERE PRODUCED USING A PATTERN GENERATOR WITH ITS CONTROL SET TO PRODUCE A COLOR BAR SIGNAL AND A WIDEBAND OSCILLOSCOPE WITH LOW CAPACITY PROBE TO PREVENT LOADING. RECEIVER OPERATING CONTROLS WERE ADJUSTED TO PRODUCE A NORMAL PICTURE. OSCILLOSCOPE SWEEP WAS SET AT 5 mS FOR VERTICAL WAVEFORMS AND 20 μ S FOR HORIZONTAL WAVEFORMS. PEAK-TO-PEAK VOLTAGES INDICATED MAY VARY DEPENDING ON CALIBRATION OF TEST EQUIPMENT, CHASSIS PARTS TOLERANCES AND CONTROL SETTINGS. ALL WAVEFORMS TAKEN WITH WIDEBAND OSCILLOSCOPE.

VOLTAGE AND WAVEFORMS ARE TAKEN WITH COLOR BAR SIGNAL GENERATOR APPLIED TO THE SET
 WAVEFORMS 1 THRU 22 USE CHASSIS GROUND.

SCHEMATIC DIAGRAM



SCHEMATIC DIAGRAM N

SCHEMATIC DIAGRAM RULES

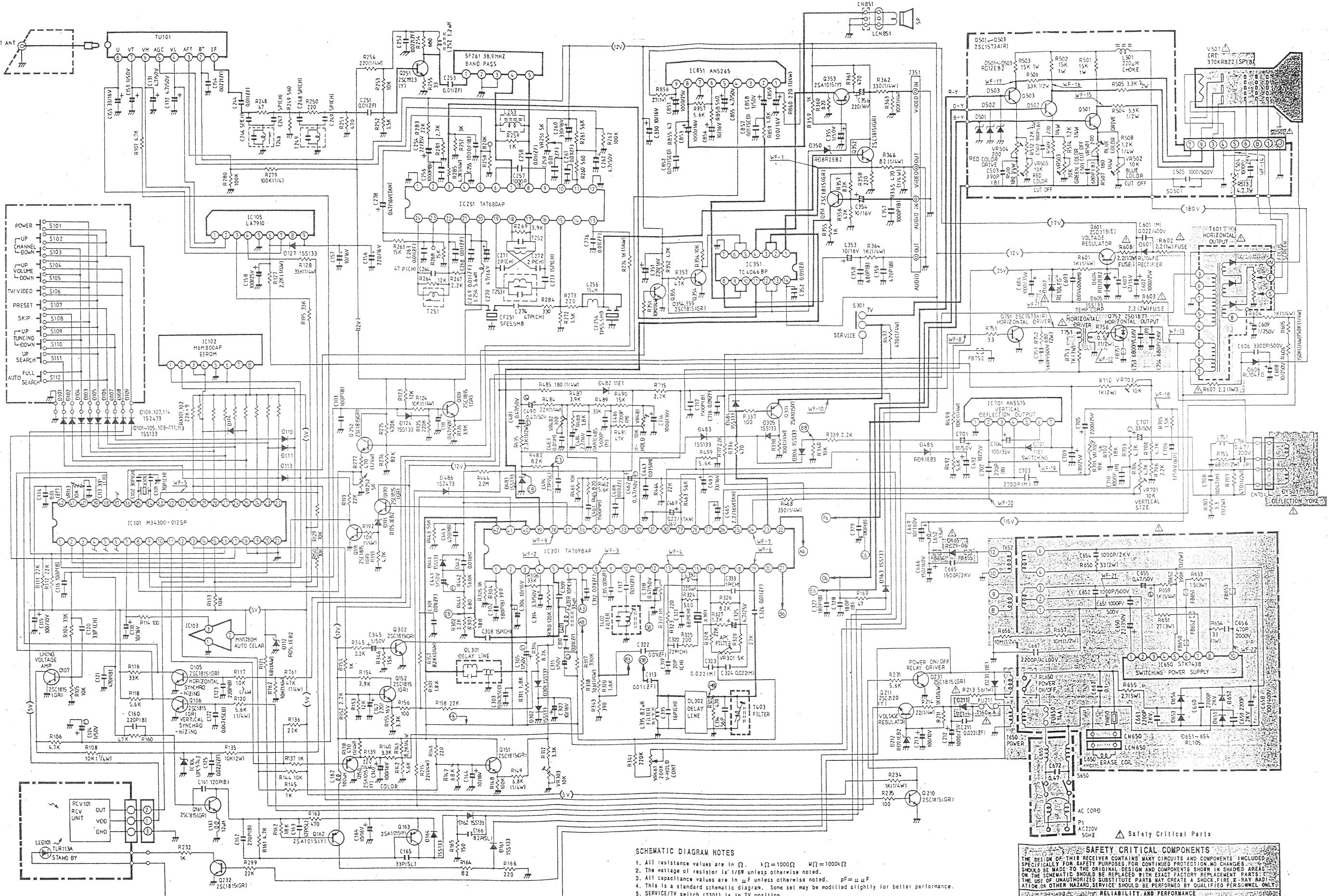
1. All resistance values are in Ω . $1k\Omega = 1000\Omega$ $1M\Omega = 1000k\Omega$
2. The wattage of resistor is 1/16W unless otherwise noted.
3. All capacitance values are in μF unless otherwise noted. $PF = \mu UF$
4. This is a standard schematic diagram. Some set may be modified slightly for better performance.
5. SERVICE/TY switch (S301) is in TV position.

SAFETY CRITICAL COMPONENTS

DESIGN OF THIS RECEIVER CONTAINS MANY CIRCUITS AND COMPONENTS INCLUDED
SPEICALLY FOR SAFETY PURPOSES FOR CONTINUED PROTECTION. NO CHANGES
SHOULD BE MADE TO THE ORIGINAL DESIGN AND COMPONENTS SHOWN IN SHADeD AREAS
ON THE SCHEMATIC SHOULD BE REPLACED WITH EXACT FACTORY REPLACEMENT PARTS.
THE USE OF UNAUTHORIZED SUBSTITUTE PARTS MAY CREATE A SHOCK, FIRE, X-RAY RADIA-
TION, OR OTHER HAZARD. SERVICE SHOULD BE PERFORMED BY QUALIFIED PERSONNEL ONLY.

FOR CONTINUED RELIABILITY AND PERFORMANCE EXACT FACTORY REPLACEMENTS
ARE RECOMMENDED FOR ALL OTHER PARTS REPLACED. IF A SUBSTITUTE MUST BE USED, BE
SURE IT QUALITY AND SPECIFICATIONS ARE IDENTICAL TO THE ORIGINAL PART.

SCHEMATIC DIAGRAM



SCHEMATIC DIAGRAM NOTES

- All resistance values are in Ω . $k\Omega = 1000\Omega$ $M\Omega = 1000k\Omega$
- The wattage of resistor is $1/6W$ unless otherwise noted.
- All capacitance values are in μF unless otherwise noted. $pF = \mu\mu F$
- This is a standard schematic diagram. Some set may be modified slightly for better performance.
- SERVICE/TV switch (S301) is in TV position.

SAFETY CRITICAL COMPONENTS
 The design of this receiver contains safety-critical components. Included in this design are components for safety purposes, for continued protection, no changes should be made to the original design and components shown in shaded areas. On the schematic should be replaced with exact factory replacement parts. The use of unauthorized parts or substitutions may result in damage to the unit or other hazard. Service should be performed by qualified personnel only.

SCHEMATIC DIAGRAM

